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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
	10/620,504	07/16/2003	Takayuki Watanabe	ELPIDA NEC03P103 8512		
	7:	7590 01/14/2004		EXAMINER		
	Norman P. Soloway			HOANG, HUAN		
HAYES SOLOWAY P.C. 130 W. Cushing Street Tucson, AZ 85701				ART UNIT	PAPER NUMBER	
		_		2818		
				DATE MAILED: 01/14/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

					Ax			
		Application	on No.	Applicant(s)				
42	Office Action Servers	10/620,50		WATANABE, TAK	KAYUKI			
•	Office Action Summary	Examin r		Art Unit				
		Huan Ho		2818				
Period fo	The MAILING DATE of this commu or Reply	nication appears on the	cov rsh et with t	he correspond nce ad	ldress			
THE I - External after - If the - If NO - Failur - Any r	ORTENED STATUTORY PERIOD IN MAILING DATE OF THIS COMMUN nsions of time may be available under the provision SIX (6) MONTHS from the mailing date of this comperiod for reply specified above is less than thirty (a period for reply is specified above, the maximum is reto reply within the set or extended period for reply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	IICATION. s of 37 CFR 1.136(a). In no eventuminication. 30) days, a reply within the state statutory period will apply and wey will, by statute, cause the app	ent, however, may a reply utory minimum of thirty (30 ill expire SIX (6) MONTHS lication to become ABAND	be timely filed)) days will be considered timel from the mailing date of this co				
1)	Responsive to communication(s) fil	ed on						
2a) <u></u> □	This action is FINAL .	2b)⊠ This action is no	on-final.					
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims			•				
5)□ 6)⊠ 7)⊠	Claim(s) <u>1-6</u> is/are pending in the a 4a) Of the above claim(s) is/are allowed. Claim(s) <u>1 and 3-5</u> is/are rejected. Claim(s) <u>2 and 6</u> is/are objected to Claim(s) are subject to restrict the strict of the subject to restrict of the subject to restric	are withdrawn from co			· .			
Applicati	ion Papers							
9)[P) The specification is objected to by the Examiner.							
10)	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including	•	- , ,	· · · · · · · · · · · · · · · · · · ·	, ,			
•	The oath or declaration is objected	to by the Examiner. No	ote the attached Of	ffice Action or form P	TO-152.			
-	ınder 35 U.S.C. §§ 119 and 120							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.								
Attachmen			r					
2) Notic	e of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (mation Disclosure Statement(s) (PTO-1449)			mary (PTO-413) Paper No mal Patent Application (PT				

Application/Control Number: 10/620,504

Art Unit: 2818

Page 2

DETAILED ACTION

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claims 3 and 4 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The phrase "a volatile memory" (claim 3, line 6) is unclear. Is this volatile memory the same or different from "a volatile memory" recited in claim 3, line 4. If they are different, the phrase "said volatile memory" in claim 3, line 9 does not clearly refer to which of these two volatile memories.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1, 3 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Miller et al..

_Application/Control Number: 10/620,504

Art Unit: 2818

Miller et al. discloses a recovery method a memory module and a volatile memory having a redundant memory cell having all the elements and steps as recited in claims 1, 3 and 5 as follows:

- a non-volatile memory (column 2, lines 27-36) for storing a defective row address and a defective column address corresponding to a memory cell in a volatile memory which is determined as defective in an electric test; and - a volatile memory (column 2, lines 13-14) for holding the defective row address, the defective column address and the defective device information transferred thereto upon start-up of a system ((column 3, lines 46-48), the volatile memory including a redundant memory cell which is accessed instead of the memory cell determined as defective in the volatile memory (column 8, lines 1-3).

Allowable Subject Matter

- 5. Claims 2 and 6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 6. Claim 4 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Art Unit: 2818

Claims 2, 4 and 6 recite the volatile memory comprising a plurality of fuse elements which can be blown out by laser light. The prior art does not teach or suggest this limitation.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huan Hoang whose telephone number is (571) 272-1779. The examiner can normally be reached on Mon-Fri 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Huan Hoang Primary Examiner Art Unit 2818

HH 01/07/04.